

Technical Details and Requirements (ANNEX-A)

UNHCR RFQ PAKIS/RFQ/22/031

DISINFECTION, FUMIGATION AND PEST CONTROL SERVICES

UNHCR OFFICE AT ISLAMABAD, PAKISTAN

GENERAL SCOPE OF WORK:

1. The Contractor shall apply good quality Anti-Viral/Bacterial surface cleaner for control and spreading of Covid-19 virus in premises and adequately suppress indoor populations of rats, mice, cockroaches, ants, flies, stinging insects, moths, mosquitoes, Dengue control or any other arthropod pests not specifically excluded from the contract. Populations of these pests that are located outside of the specified buildings, but within the property boundaries of the buildings shall be included. The contract shall also include indoor and outdoor populations of subterranean termites, non-subterranean termites, wood-boring beetles, fungi, and other wood-destroying organisms, which destroy and weaken structural components of buildings. The Contractor shall control these pest categories inside of buildings where they appear on an incidental or infrequent basis.

2. **Required services**

- A. Disinfection (COVID-19)
- B. Termite Treatment
- C. Rodent Management
- D. Integrated Pest Management (Dengue)

A) Disinfection: -

(1) Details of Services required:

Vendor technical team will visit site to perform following activities using disinfectants such as; sodium hypochlorite (bleach / chlorine) at concentration of 0.1% or 1,000ppm or Alcohol at 70-90% used for surface disinfection from Covid-19.

- Office Cleaning Services, wiping with bleaching liquid.
- Disinfection Services (probably using foggers and mist blower)
- Sanitization Services
- Fogger Spraying Services Indoor & Outdoor Area
- Disinfect Indoor and outdoor area
- Disinfect UNHCR Official vehicles
- Disinfect Cafeteria & Cafeteria Sitting Area

Indoor Area:

- Floor
- Offices (closed ones)
- Workstations
- Doors
- Windows
- Walls
- Washrooms
- Side offices
- Meeting halls/conference room
- Guard huts
- Guard Rooms
- All tangible items

Outdoor Area:

- Passage
- Parking
- Walkthrough gate
- Assembly area
- Sliding gates
- Gardens
- Stores
- Containers
- Official vehicles

Electric Appliances:

- Computers
- Switches
- Tangible appliances

B) Termites Treatment:

The contract shall also include indoor and outdoor populations of subterranean termites, non-subterranean termites, wood-boring beetles, fungi, and other wood-destroying organisms, which destroy and weaken structural components of buildings. The Contractor shall control these pest categories inside of buildings where they appear on an incidental or infrequent basis.

Manpower: Team of 2-3 pest control technicians to arrive at the site, with the product and equipment.

Equipment: One calibrated Electric pressure pump, Drill machines, Knapsack Sprayer, PPE's.

Post- Construction Treatment Methodology:

To treat the already constructed building, drilling with appropriate drill machine and make a hole up to depth of 1.6 feet to ensure proper chemical i.e. Imidacloprid or Fipronil should properly disperse in the soil and make a homogenous barrier.

LAWN TREATMENT:

When termites' infestation observed in lawn or for preventive measures following methodology should be followed

- Make holes in soil after 10-12 feet apart with drill or iron rods.
- Apply water before chemical application is such amount that soil temperature is minimized and on application of chemical it will not suddenly evaporate.
- After rodding in different areas, apply chemical i.e. Fipronil @ 4-5 L/Sq. m
- Mix one liter carnage with 750 liter of water and properly apply in homogenous form.
- After proper application of the chemical apply water to allow the chemical leach down in root zone.
- All PPE's and precautionary measurement should be followed.

C) Rodents Management:

Rodent Control Pesticide Products and Use: Mechanical or sticky traps are the preferred method of rodent population reduction. In exceptional circumstances, when rodenticides are deemed essential for adequate rodent control inside and/or outside occupied buildings,. All rodenticides, regardless of packaging, shall be placed either in locations not accessible to children, pets, wildlife, and domestic animals, or in EPA-approved tamper-resistant bait boxes.

The Contractor shall:

1. Place all bait boxes shall out of the general view, in locations where they will not be disturbed by routine operations.
2. Securely lock or fasten shut the lids of all bait boxes.
3. Securely attach or anchor to the floor all bait to the floor, ground, wall, or other surface, so that the box cannot be picked up or moved.
4. Place bait in the baffle-protected feeding chamber of the box and never in the runway of the box.
5. Label all bait boxes with the Contractor's business name and address, and dated at the time of installation and each servicing.

As a rule, rodenticide application outside buildings shall target the direct treatment of rodent burrows wherever feasible. The Contractor shall be responsible for notifying the UNHCR Office about the location of all rodent burrows on the premises that must be filled.

The Contractor shall also be responsible for removing rodent carcasses. The Contractor shall not store any pesticide product or container on UNHCR property.

D) Integrated Pest Management: -

Pest(s)	Indications	Pesticide	Brief Use Instructions
Cockroaches Indoor Treatment	Use disposable bait stations or bait gels applied in daps smaller than a pea. Indoor use only. Use IRS for outdoor American Cockroaches	Bait station - containing Fipronil, Imidacloprid For IRS- DDVP, Deltamethrin, Alpha Cypermethrin	Use 4-6 bait stations per 100 square feet of horizontal surface area. Place where cockroaches have been seen and where they hide. Equipment to be used: Knapsack sprayer, Tri-Jet Fogger, should be used to effectively apply the chemical.
Flying insects: flies, mosquitoes, gnats, moths, Dengue Mosquito etc. Outdoor Treatment	Usage of approved good quality pesticide for outdoor treatment under supervision of trained Entomologist.	Alpha Cypermethrin Deltamethrin DDVP Indoxacarb Pyriproxifen Bifenthrin	Follow instructions on label. Close all doors and windows. Remove pets, cover fish aquariums, cover or remove exposed foods. Direct spray mist to all parts of the room avoiding contact with cooking utensils and food preparation surfaces. Keep room closed for 15 min. Then ventilate room. Equipment to be used: Thermal Fogger, Knap Sack Sprayer, Tri Jet Fogger and Power Sprayer.

Pesticide Products and Use

When a professional pesticide must be used for adequate control, the Contractor shall apply an appropriate professional-use pesticide and comply with all instructions and precautions noted on the specimen label. All pesticides used by the Contractor must be registered and authorized by the WHO.

3. Working schedule:

- The activity will be performed on weekends (morning till evening) as agreed with office.
- Technical team will visit site with site supervisor.

- Team will be available on call services.
- Contractor will provide safety kits (mask & gowns) to their workers and 2 extra kits for guard and UNHCR supervisor (When needed).
- Contractor’s Staff should have original CNICs with NADRA verification receipt to facilitate the diplomatic enclave clearance.
- UNHCR will provide the letter for access, Vendor should arrange and submit required documents to SP office directly.

4. Vendor expertise:

- Vendor should have all equipment’s for this activity.
- All chemicals should be of prime quality and approved by WHO.
- All chemicals to be used for COVID19 prevention.
- Vendor should have entomologist who will supervise fumigation and formulations work.
- Team should be competent enough to handle the chemicals.
- Entomologist should supervise the operations and should share his technical expertise i.e. Degree, Training Certificates, Affiliation etc.

5. Vendor Registration and Licenses

- Vendor should present copy of valid license and registration for the requested service

6. Details of UNHCR Office in Islamabad

Covered Area:	22,000 Sq. Ft. (Approx.)
Open Area:	30,000 Sq. Ft. (Approx.)
Lawn Area internal:	5,000 Sq. Ft
(Approx.) Lawn Area external:	26,000 Sq. ft (Approx.)
Car Park:	10,000 Sq. Ft (Approx.)

- Number of Office rooms (Different Sizes): 100
- Total staff strength: 100-150
- Number of Official Vehicles: 25
- Number of washroom (M/F): 21 (9/12)
- Conference Rooms 3